### Click on images to enlarge.

## **U.S. Army Influenza Activity Report**

Week Ending 19 January 2013 (Week 3)

2012-2013 Seasonal Influenza Vaccination Coverage As of 22 JAN 2013							
96%	DOD						
97%	Army Active Duty						
92%	Army Guard						
82%	Army Reserve						

**SYNOPSIS:** During week 3, influenza-like illness activity remained relatively stable in Army MTFs. Dependent populations were most affected. Although still elevated, US civilian influenza activity indicators are declining while severity indicators (i.e., mortality) are rising.

- ILI Activity: Army incident ILI outpatient visits in week 3 were 12% higher than the same week last year.
- **Influenza cases:** 5 hospitalized influenza cases were reported to USAPHC in week 3. 59 hospitalized cases have been reported during this influenza season, 54 in dependents and 5 in Active Duty Service Members.
- Acute Respiratory Disease at BCT sites: While ARD rates remain low at all Army BCT sites after the initiation of the adenovirus vaccine, decreasing activity was noted at all sites.
- **Viral specimens:** During week 3, 620 of 2124 (29%) laboratory specimens tested were positive for respiratory pathogens. Influenza A accounted for 60% of positive specimens. Most of the influenza positive specimens were from SRMC (37%); 28% were from NRMC, and 23% from WRMC.

#### **Geographic Spread**

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#### **United States**

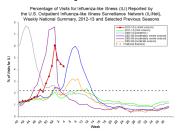
 During week 3, widespread and regional activity was noted in all states except for the District of Columbia and Hawaii, which reported local flu activity. Guam reported sporadic activity.

#### Global

Influenza activity in Europe and temperate Asia is increasing. Although influenza A (H3N2) is predominating in North America, influenza A (H1N1) pdm09 is more prominent in Europe.

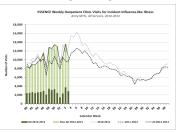


#### **ILI Activity United States**



- For week 3, 4.3% of outpatient visits reported through ILINet were due to ILI, which is above the national baseline of 2.2%.
- All 10 regions reported a proportion of outpatient visits for ILI above their specific baselines.
- As in week 2, the percentage of ILI outpatient visits ranged from 2.9 to 7.0% across regions.

#### **ILI Activity Army**



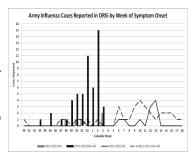
- During week 3, initial ILI visits decreased from the previous week.
   ILI visits were 12% higher than at the same week last year, but 17% lower than during the 2010-2011 season.
- Active Duty (AD) accounted for 27% of incident ILI clinic visits during week 3, which is similar to the average seen last season.

#### **Laboratory Respiratory Specimen Testing**

Army MTF Laboratory Results, 2012-13											
Test Result	Week 52	Week 1	Week 2	Week 3	Total						
Influenza A	183	313	425	375	1296						
Influenza B	102	41	85	100	328						
Adenovirus	12	3	14	9	38						
Enterovirus	0	1	0	0	1						
Parainfluenza	14	10	28	23	75						
RSV	57	70	110	113	350						
Negative	963	1089	1461	1504	5017						
Total Results	1331	1527	2123	2124	4981						

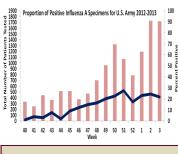
- 29% (620) of respiratory specimens were positive during week 3; influenza A accounted for 60% of positive specimens.
- RSV accounted for 18% of positive specimens, and influenza B for 16%.
- Parainfluenza accounted for 4% of positive specimens, and adenovirus for 1%.

#### **DRSi Influenza Case Reporting**



- 5 cases of hospitalized influenza were reported in DRSi in week 3: 2 in AD SMs and 3 in dependents.
- A total of 59 influenza admissions have been reported this season for the US Army and Army MTFs, 54 in dependents and 5 in AD SMs.
- Per current reporting guidelines, only hospitalizations in patients > 65 years old are reportable.

#### **Laboratory Testing for Influenza A**



- The proportion of positive influenza A tests in week 3 (22%) decreased slightly from week 2 (25%).
- 268 of the 375 (71%) positive influenza A specimens in week 3 were from non-AD personnel.
- 140 (37%) of the 375 positive influenza A specimens were from SRMC, 105 (28%) were from NRMC, and 86 (23%) were from WRMC
- ERMC and PRMC reported 22 (6%) and 20 (5%) influenza A cases, respectively.

by Virus, 2012-2013 Influenza Season

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Positive Respiratory Specimen Results from Army MTFs

■ Influenza A Influenza B ■ Adenovirus ■ Enterovirus ■ Parainfluenza ■ RSV

**Additional Resources:** Army Influenza Reports; ARD Reports; AFHSC Influenza Reports; NHRC FRI Reports; DoD Global Influenza Surveillance Program; DoD Pandemic Influenza Watchboard; CDC; WHO

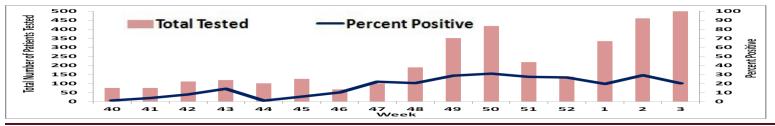
**Key:** ILI-Influenza-Like Illness; DRSi- Disease Reporting System Internet; ARD-Acute Respiratory Disease; NHRC- Naval Health Research Center; ADV-Adenovirus; RSV-Respiratory Syncytial Virus; DEP- Disease Epidemiology Program; SM-Service Member

Questions? Email USAPHC-DEP 410-417-3774

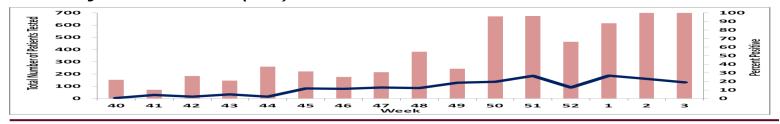
## **U.S. Army Influenza Activity Report**

Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2012-13

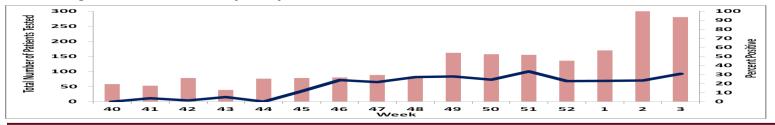
#### Northern Regional Medical Command (NRMC)



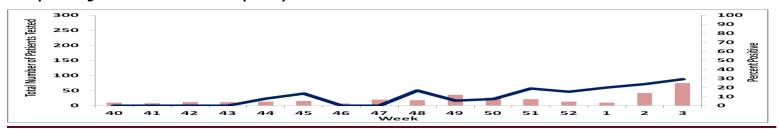
#### Southern Regional Medical Command (SRMC)



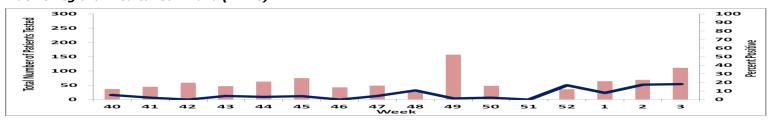
#### Western Regional Medical Command (WRMC)



#### European Regional Medical Command (ERMC)



#### Pacific Regional Medical Command (PRMC)



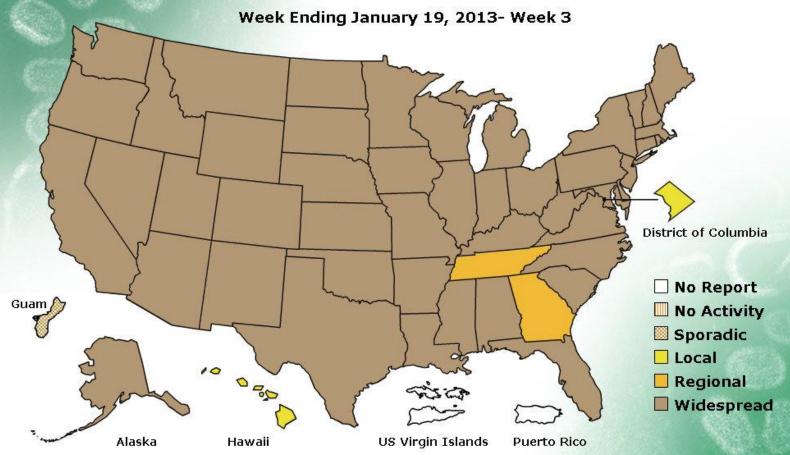
Number of Positive Influenza A Specimens by Duty Status and Region																
	Week 48		We	eek 49	We	ek 50	Week 51		Week 52		Week 1		Week 2		Week 3	
Region	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
NRMC	9	31	14	86	33	95	13	47	8	29	22	43	52	82	52	53
SRMC	13	44	4	39	15	115	23	156	10	50	37	128	55	128	24	116
WRMC	3	23	7	35	4	34	8	44	8	23	10	29	18	67	20	66
ERMC	2	1	0	1	0	2	2	2	1	1	1	1	4	6	5	17
PRMC	0	3	1	1	1	0	0	0	1	5	1	4	5	7	4	16

Locations providing week 3 laboratory data as of 24 January 2013: Korea, Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Irwin, Ft Jackson, Ft Knox, FT Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Landstuhl, Redstone Arsenal, Tripler, and West Point

# FLUVIEW



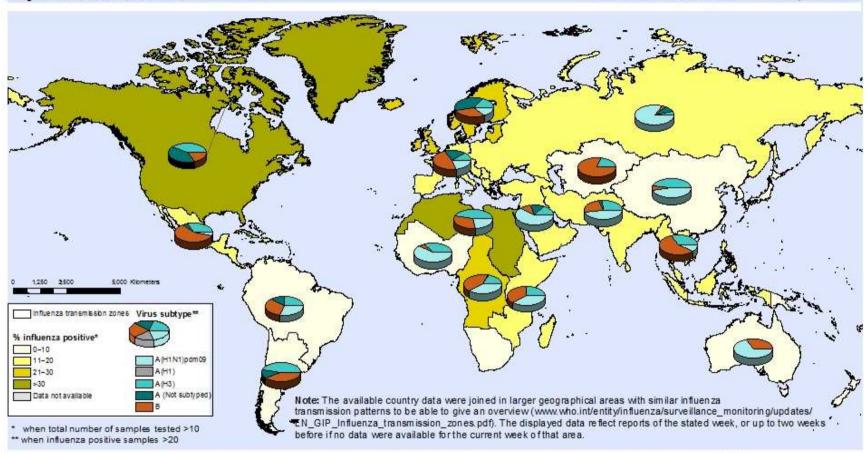
A Weekly Influenza Surveillance Report Prepared by the Influenza Division Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists\*



<sup>\*</sup>This map indicates geographic spread and does not measure the severity of influenza activity.

#### Percentage of respiratory specimens that tested positive for influenza By influenza transmission zone

Status as of week 01 30 December 2012 - 05 January 2013



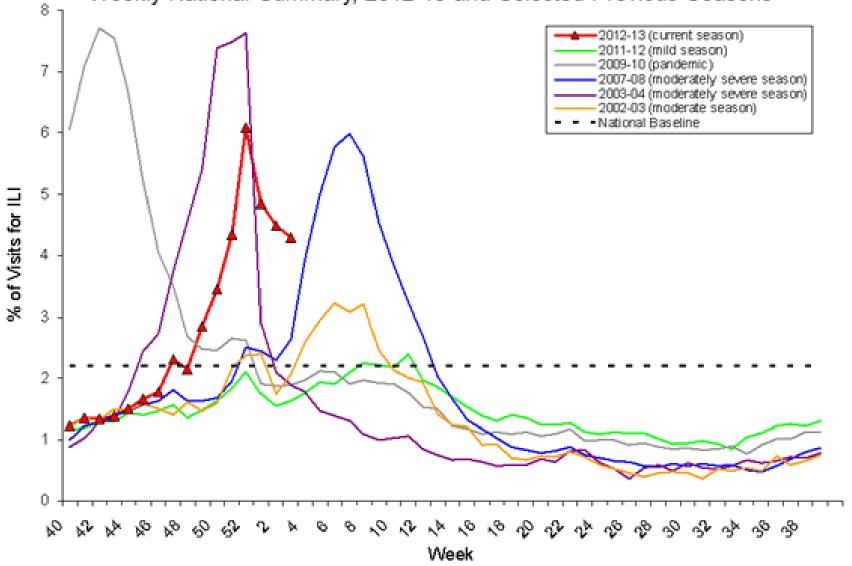
The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities. or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for snaphot, from WHO regional offices and/or ministry of health which there may not yet be full agreement.

Data Source: WHO/HIP, data in HQ as of 15 January 2013. Data used are from FluNet (www.who.intflunet), 10:50 UTC websites



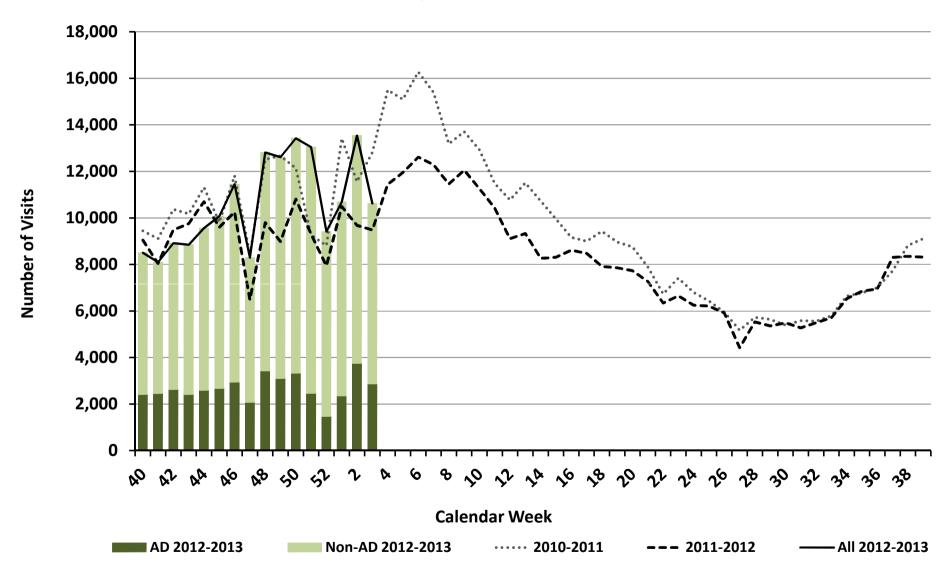
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Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2012-13 and Selected Previous Seasons



#### **ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness**

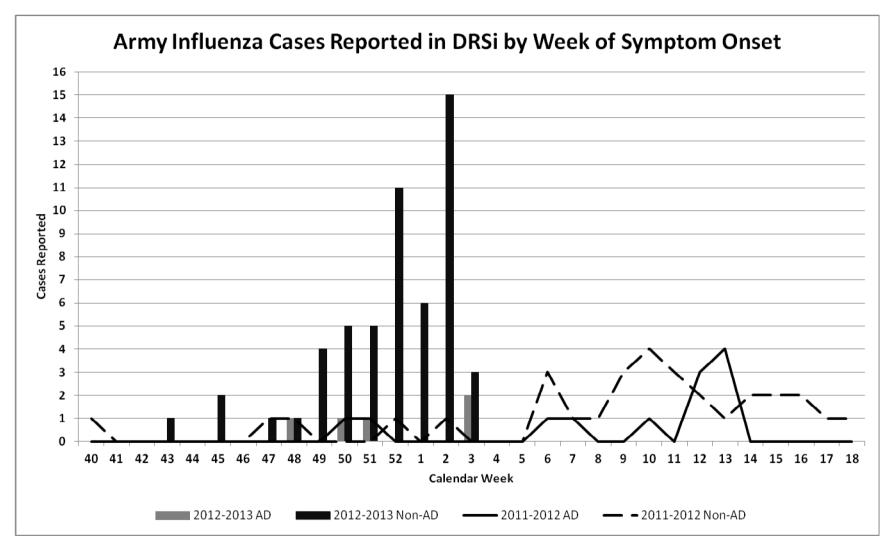
Army MTFs, All Services, 2010-2013



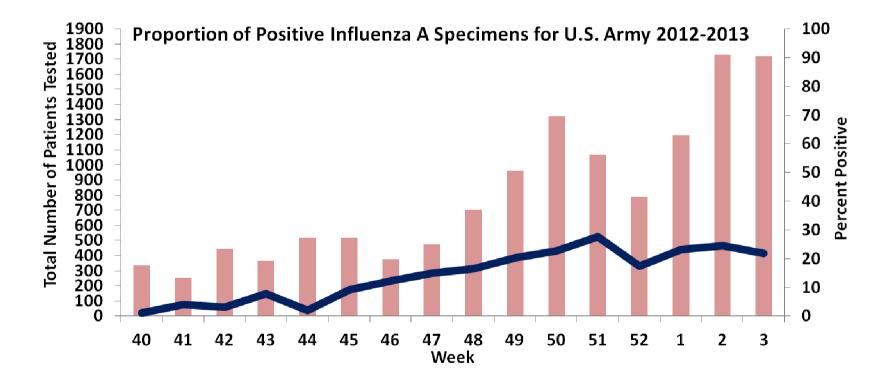
Clinic visits for ILI are obtained from ESSENCE. Data as of 24 January 2013.

#### **Army MTF Laboratory Results, 2012-13** Week 52 Week 1 | Week 2 | Week 3 | Total **Test Result** Influenza A Influenza B Adenovirus **Enterovirus** Parainfluenza **RSV** Negative **Total Results**





**Note:** Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See <u>Armed Forces</u> <u>Reportable Medical Events Guidelines and Case Definitions</u> for more information Data as of 19 January 2013.



# Positive Respiratory Specimen Results from Army MTFs by Virus, 2012-2013 Influenza Season

